

Daily Math:

Solve the equation.

1. $3x + 5 = -13$

2. $-y + 6 = 11$

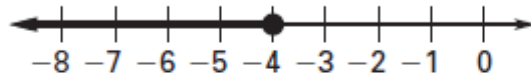
3. $0 = 4t + 72$

4. $\frac{w}{7} - 12 = -1$

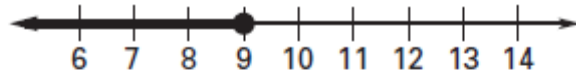
- 5.** You have \$15 to spend at the arcade. If you plan to spend \$3 on snacks, and games cost \$2 each, how many games can you play?

Answers for homework:

7. $r \leq -4$



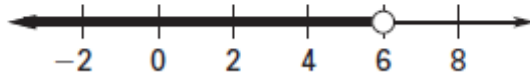
8. $b \leq 9$



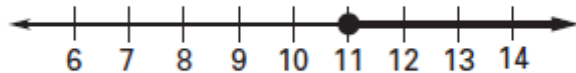
9. $t \leq 14$



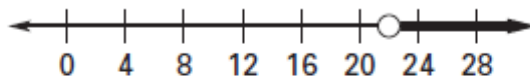
10. $p < 6$



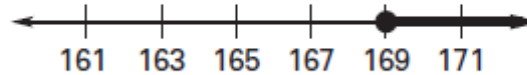
11. $w \geq 11$



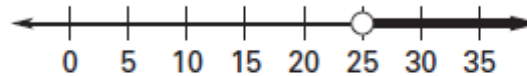
12. $e > 22$



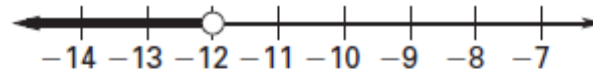
13. $y \geq 169$



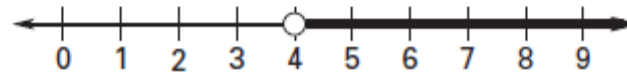
14. $z > 25$



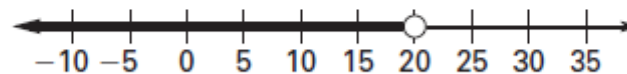
15. $x < -12$



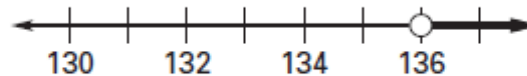
16. $n > 4$



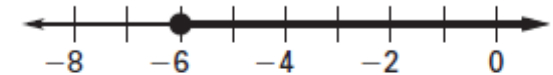
17. $b < 20$



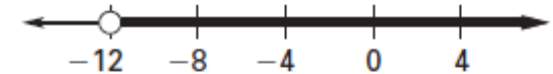
18. $c > 136$



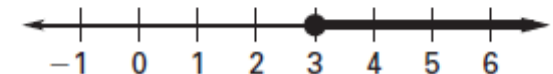
19. $s \geq -6$



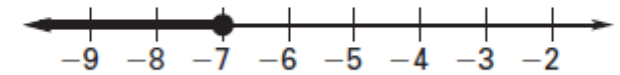
20. $g > -12$



21. $x \geq 3$



22. $y \leq -7$



Tell whether the given value of the variable is a solution of the inequality.

1. $x - 4 \leq 1; x = 6$

2. $a + 7 \geq 12; a = 5$

3. $\frac{1}{2}m < 7; m = 14$

Match the inequality with its verbal phrase.

4. $x < 7$

5. $x > 7$

6. $x \leq 7$

7. $x \geq 7$

A. All numbers less than or equal to 7

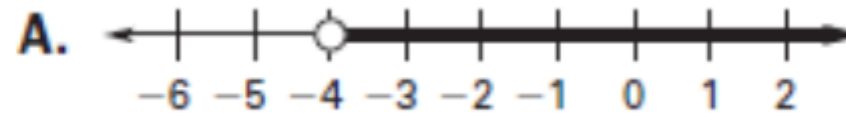
B. All numbers greater than 7

C. All numbers greater than or equal to 7

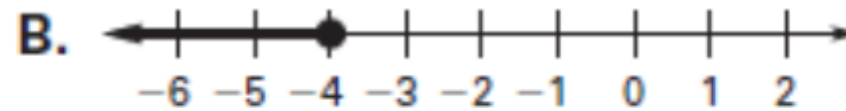
D. All numbers less than 7

Match the inequality with its graph.

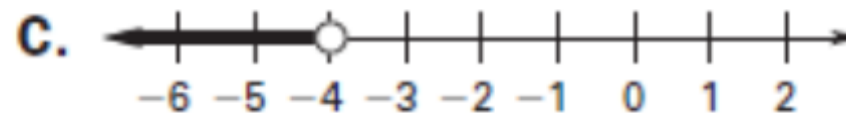
8. $x < -4$



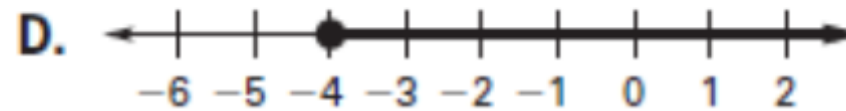
9. $x \leq -4$



10. $x > -4$



11. $x \geq -4$



Graph the inequality.

12. $b \geq -3$

13. $z \leq -8$

14. $t > 2$

Solve the inequality. Then graph the solution.

15. $y - 13 \leq -17$

16. $n + 4 \geq 9$

17. $8d < 24$

- 18.** A wheelbarrow can carry at most 600 pounds. The inequality $25x \leq 600$ represents the number of 25-pound bags of concrete the wheelbarrow can carry. Solve the inequality to find the greatest number of bags the wheelbarrow can carry.
- 19.** A book store sells used paperbacks for \$4.50 each. You receive a \$2 discount if you spend at least \$30 in the store. Write an inequality that represents the least number of paperbacks you must buy in order to receive the discount.
- 20.** You are mailing a 60-pound item by parcel post. The total weight of an item and its packaging cannot be greater than 70 pounds. Write and solve an inequality that represents the heaviest the packaging can be without exceeding the 70-pound weight limit.

Homework: Worksheet B or C